

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024720**Date Inspected:** 23-Jun-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	N/A	CWI Present:	Yes	No			
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006	Component:	OBG Trial Assembly				

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector Mr. S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) at Trial Assembly Areas

Incident Report generated for Segment 14 East (Longitudinal Diaphragm)

This Quality Assurance (QA) Inspector wrote an Incident Report for mis-drilling the stiffener of Longitudinal Diaphragm at work point E3 for Segment 14 East at PP 125.5.

Please reference the Incident Report # 04 04-0120F4_TL-15_B278_06-23-2011_LD_I-Stiffener_Mis-Drilled dated June 23, 2011 for further detail.

Please reference the pictures attached for more comprehensive details.

Incident Report generated for Segment 14 East (Edge Beam Connection Plate)

This Quality Assurance (QA) Inspector wrote an Incident Report for Edge Beam connection plate which was welded to Side Panel, as per drawing it has to be tight fit. Edge Beam is located between PP 127.5 towards PP 128

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at work point E4 for Segment 14 East.

Please reference the Incident Report # 04-0120F4_TL-15_B278_06-23-2011_EB_Connection Plate_Tight Fit dated June 23, 2011 for further detail.

Please reference the pictures attached for more comprehensive details.

Bike Path Railing at Bay 1

This QA Inspector performed Dimension Control Inspection for measuring Bike Path Handrail (Long one's) to the Divider Rails. The Inspection was performed against the Inspection Notification # 9560 dated June 23, 2011.

Observed the Bike Paths are installed on the Jig in the following mentioned sequence.

BKR-NS2-PP53+BKR-NS3-52+BKR-NS2-PP51+BKR-NS3-50+BKR-NS2-PP49+BKR-NS3-48+
BKR-NS2-PP107

Performed the Dimensional Inspection and observed results are in general compliance with the tolerances. Informed the results of Inspection to Caltrans Lead Inspector for further disposition.

Bike Path Railing at Bay 1

This QA Inspector performed Dimension Control Inspection for measuring Bike Path Handrail (Long one's) to the Divider Rails. The Inspection was performed against the Inspection Notification # 09563 dated June 23, 2011.

Observed the Bike Paths are installed on the Jig in the following mentioned sequence.

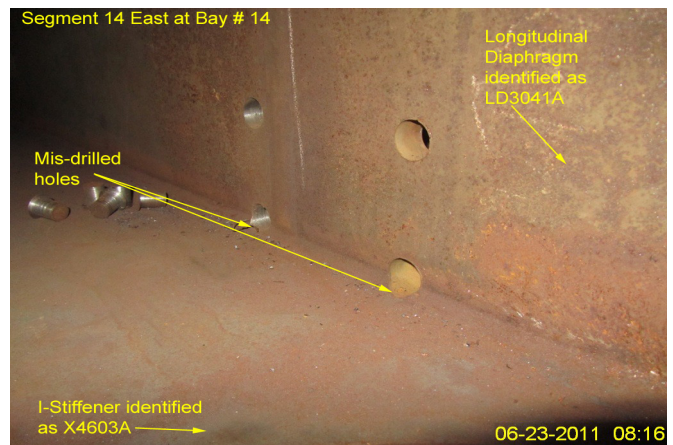
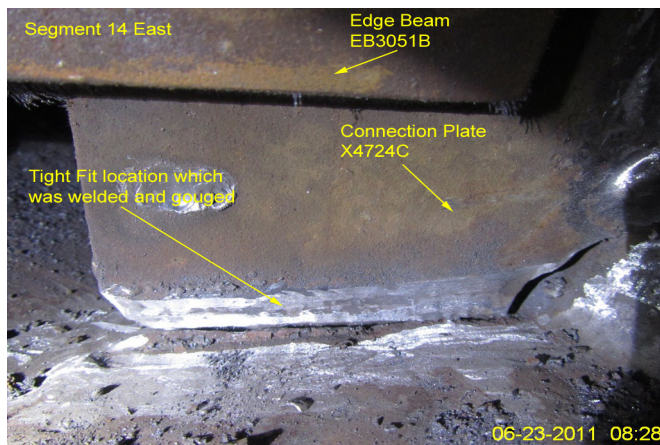
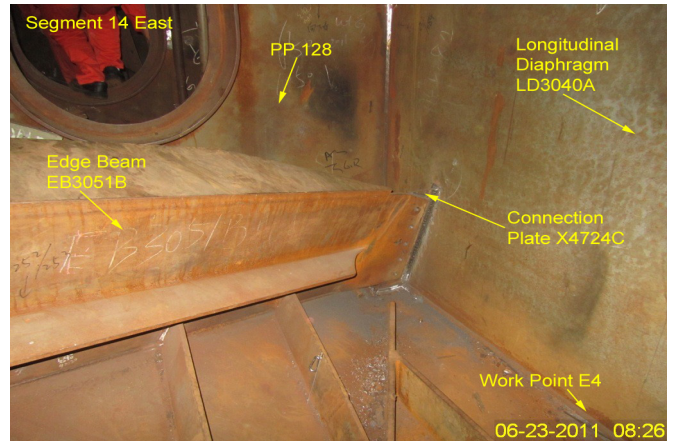
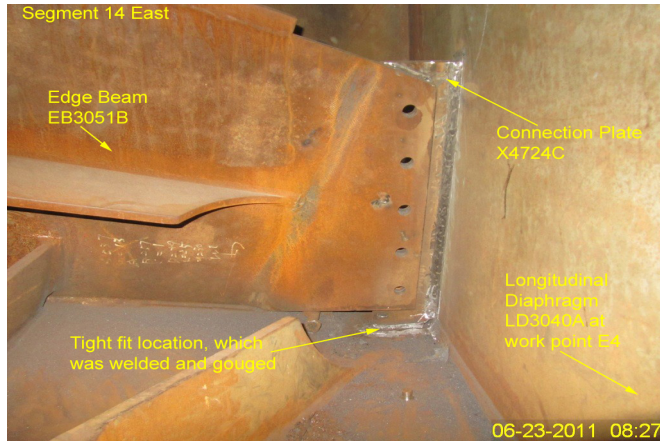
BKR-NS2-PP59+BKR-NS3-60+BKR-NS2-PP61+BKR-NS3-62+BKR-NS2-PP63+BKR-NS3-64+
BKR-NS2-PP65.

Performed the Dimensional Inspection and observed results are in general compliance with the tolerances. Informed the results of Inspection to Caltrans Lead Inspector for further disposition.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

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Summary of Conversations:

No relevant conversations were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

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Inspected By: Math,Manjunath

Quality Assurance Inspector

Reviewed By: Miller,Mark

QA Reviewer